

Converting Colors

XYZ(22.8990, 19.0287, 66.8461)

Have a look what the booklet for
XYZ(22.8990, 19.0287, 66.8461)
contains.

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Color

**XYZ(22.8838, 18.9814,
66.7477)**

Conversions

Conversions Part 1

Format	Color
Hex	6070D7
RGB	96, 112, 215
RGB Percent	38%, 44%, 84%
CMY	0.6235, 0.5608, 0.1569
CMYK	0.55, 0.48, 0.00, 0.16
HSL	232°, 60%, 61%
HSV	232°, 55%, 84%
XYZ	22.8838, 18.9814, 66.7477
YIQ	118.9580, -42.5990, 28.6410

Conversions

Conversions Part 2

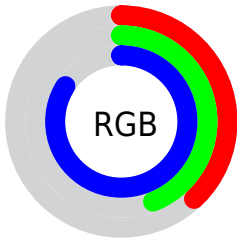
Format	Color
R _Y B	96, 110, 215
Decimal	6320343
CIE Lab	50.67, 23.70, -54.96
CIE LCh	51, 59.851, 293.329
Yxy	18.9814, 0.2107, 0.1748
Android (android.graphics.Color)	4284510423 (0xFF6070D7)
YUV	118.9580, 47.3487, -20.1342
Hunter-Lab	43.5676, 17.5133, -60.3377

Details

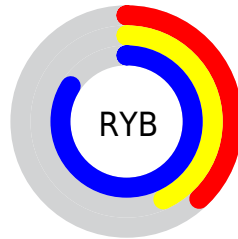
The XYZ color **22.8838, 18.9814, 66.7477** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **50.5609, 56.1414, 19.2393**, and the grayscale version is **17.3868, 18.2923, 19.9203**.

A 20% lighter version of the original color is **44.4736, 40.2844, 100.0394**, and **8.6272, 6.5307, 33.6067** is the 20% darker color. If you saturate the color by 10%, you get **19.0777, 14.2798, 66.0412**, and if you desaturate by 10%, it is **27.7343, 24.8517, 67.6255**.

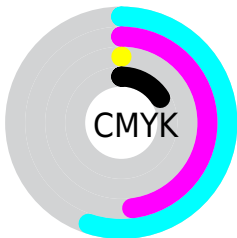
Distribution



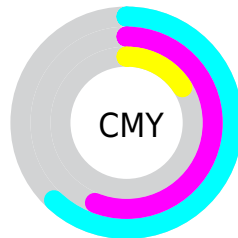
- Red (38%)
- Green (44%)
- Blue (84%)



- Red (38%)
- Yellow (43%)
- Blue (84%)



- Cyan (55%)
- Magenta (48%)
- Yellow (0%)
- Black (16%)



- Cyan (62%)
- Magenta (56%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8838, 18.9814, 66.7477 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 22.8838, 18.9814, 66.7477 by changing the saturation by 10% instead.

■ 22.8838, 18.9814,
66.7477

■ 22.8838, 18.9814,
66.7477

259.6741,
246.3461, 467.5232

■ 14.6280, 11.6568,
48.4193

■ 47.6705, 41.7027,
116.1960

■ 8.6433, 6.5105,
33.7967

■ 64.9321, 57.8682,
148.1530

■ 4.5645, 3.1579,
22.4614

■ 85.9263, 77.7494,
185.4900

■ 2.0262, 1.2147,
13.9948

■ 111.0185,
101.7309, 228.6255

■ 0.6486, 0.0737,
7.9783

140.5740,
130.1968, 277.9780

■ 0.0000, 0.0000,
3.9935

174.9582,

■ 0.0000, 0.0000,

163.5318, 333.9661

1.6218

214.5365,
202.1200, 397.0083

■ 0.0000, 0.0000,
0.3063

■ 0.0000, 0.0000,
0.0000

■ 22.8838, 18.9814,
66.7477

■ 22.8838, 18.9814,
66.7477

■ 19.0777, 14.2798,
66.0412

■ 27.7343, 24.8517,
67.6255

■ 16.2356, 10.6658,
65.4934

■ 33.6968, 31.9608,
68.6835

■ 14.2687, 8.0505,
65.0923

■ 40.8360, 40.3752,
69.9314

■ 13.0702, 6.3292,
64.8232

■ 49.2108, 50.1563,
71.3779

■ 12.7027, 5.7801,
64.7366

■ 58.8762, 61.3614,
73.0313

■ 69.8840, 74.0445,
74.8992

■ 82.2829, 88.2570,
76.9890

■ 89.2658, 97.6863,
78.4410

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



16.7630, 18.9814, 72.1778



22.8838, 18.9814, 66.7477



28.6778, 18.9814, 46.5669

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



22.8838, 18.9814, 66.7477



25.6460, 18.9814, 4.0817



9.0011, 18.9814, 17.1391

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



22.8838, 18.9814, 66.7477



50.5609, 56.1414, 19.2393

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



10.4258, 18.9814, 6.7606



22.8838, 18.9814, 66.7477



19.3828, 18.9814, 2.3261

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



22.8838, 18.9814, 66.7477



30.4988, 18.9814, 10.3375



13.9351, 18.9814, 2.9373



9.5433, 18.9814, 36.2702

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



22.8838, 18.9814, 66.7477



31.1386, 18.9814, 31.3821



13.9351, 18.9814, 2.9373



9.2534, 18.9814, 12.7201

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



22.8846, 18.9820, 66.7482



70.0366, 71.0370, 104.6279



39.2205, 55.1265, 61.4877



14.4382, 14.5606, 22.2995



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.8846, 18.9820, 66.7482



27.4556, 20.2380, 97.0670



26.8734, 18.6470, 66.4733



11.8759, 12.2752, 15.6809



7.6421, 3.5460, 38.7348



0.5057, 0.3035, 2.3512

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



35.1326, 23.9839, 18.1072



47.4017, 29.1390, 17.6852



43.7239, 58.3704, 20.0299



12.4905, 12.4477, 13.2575



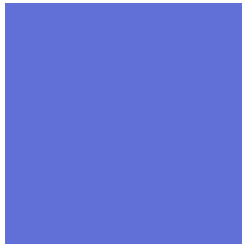
16.9162, 8.7028, 1.5970



1.0429, 0.5340, 0.2154

Previews

White Background



This preview shows how the XYZ color 22.8838, 18.9814, 66.7477 looks on a white background.

Color Contrast Check

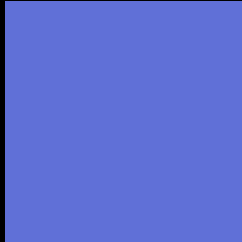
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.8838, 18.9814, 66.7477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

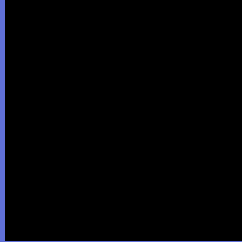
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.8838, 18.9814, 66.7477

Background



This preview shows how black text looks on a background with the XYZ color 22.8838, 18.9814, 66.7477.



This preview shows how white text looks on a background with the XYZ color 22.8838, 18.9814,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

22.8838, 18.9814, 66.7477

Protanopia

21.7338, 19.1551, 70.2620

Deuteranopia

19.7327, 19.1165, 65.6006



Tritanopia

15.1002, 19.0877, 27.6994

Trichromacy



Original Color

22.8838, 18.9814, 66.7477

Protanomaly

22.0101, 18.9857, 68.8342

Deuteranomaly

20.3610, 18.7114, 66.1569

Tritanomaly

17.1999, 18.5756, 39.2381

Monochromacy



Original Color

22.8838, 18.9814, 66.7477

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.6337, 18.2034, 33.1034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8838, 18.9814, 66.7477 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(96, 112, 215)` looks like.

```
.text, #text, p{  
    color:rgb(96, 112, 215)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(96, 112, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 112, 215) }
```

Border

The CSS property to change the border of an element to XYZ 22.8838, 18.9814, 66.7477 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 112, 215) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(96, 112, 215) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(96, 112, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 112, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 112, 215);  
box-shadow:4px 4px 4px 4px rgb(96, 112,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8838, 18.9814, 66.7477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 112, 215) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(96, 112,  
215) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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